ZHONE MXK UPLINK 2X10GE-8X1GE / 8X1GE

MXK UPLINK CARDS

The MXK's uplink cards enable operators to offer superior high-bandwidth services in a variety of network designs. The cards currently support two configurations: (1) 2 x 10 Gig + 8 x 1 Gig Ethernet ports and (2) 8 x 1 Gig Ethernet ports. Both fiber and copper SFPs are supported.

In addition, the MXK uplink cards provide full card and network redundancy by supporting an active card and backup standby in the same chassis. If a card or network failover occurs, the standby card will take over instantly, without dropping any voice calls. The cards also support link aggregation and the EAPS ring protocol, for additional network resiliency options.

- Aggregate 400 Gbps of non blocking Capacity, with 20 Gbps to each Line Card
- Support for Carrier Cass active/standby Redundancy, Link Aggregation, point to point, and Ring Configuration on all Ports
- Copper and Fiber based SFP
- Full Range of Management Options including SNMP CLI, WebUI, and Integration into Zhone's ZMS Element Management System

POWER	REGULATORY COMPLIANCE
Provided by the MXK Chassis	NEBS Level 3 compliant
INTERFACES	RUS listed
2 XFP/SFP Based 10 GigE Ports	Safety: UL 60950 3rd Edition, CSA 950 3rd Edition, EN 60950, AS / NZS 3260, TS 001
8 SFP Based GigE Ports Supporting Copper or Fiber SFPs	Emissions: EN 55022A, CFR47 PART 15A (FCC)
PROTOCOL SUPPORT	Immunity: NEBS GR-1089-Core level 3, EN 55024, EN 55082-1, T1.601-1992
Bridging 802.1D	
VLAN 802.1Q with 802.1p	Environmental: NEBS GR-63-Core Level 3, GR-487 compliant, ETS 300 019-2-x compliant,
Multicast IGMP v2 and v3 (snooping, proxy)	
ITU G.984.1-984.4 OMCI	ISTA Transportation and Handling
IEEE 802.3ah	Network Certification: FCC Part 68, CTR-12, CTR-13, DOC CS-03, TSO 16, GR-57
IEEE 802.3ad LACP	
DHCP Relay	In process
MANAGEMENT	**OPERATING REQUIREMENTS**
Management	Ambient Operating Temperature: -40°C-65°C
ZMS (Zhone Management System) via SNMP v2c for GUI and CORBA IDL Machine Interface	Relative Operating Humidity: up to 85% (non condensing)
Terminal for Command Line Interface (CLI)	GR-487 compliant
Built in GUI based Management	Designed for outside Plant Deployment

MODEL	DESCRIPTION
MXK-UPLINK-2X10GE-8X1GE	MXK UPLINK WITH 2X10G+8X1G ETHERNET PORTS, XFP/SFP BASED
MXK-UPLINK-8X1GE	MXK UPLINK WITH 8X1G ETHERNET PORTS, SFP BASED

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